

# ALUMINUM SPECIFICATIONS

## Specifications for Aluminum Ingot Alloys (ASTM B179-18)

Alloy		SI	FE	CU	MN	MG	CR	NI	ZN	TI	SN	OE	OT
AA	FORMER												
<b>A380.1</b>	A380	<b>7.5-9.5</b>	<b>1.0</b>	<b>3.0-4.0</b>	<b>.50</b>	<b>.10</b>	<b>---</b>	<b>.50</b>	<b>2.9</b>	<b>---</b>	<b>.35</b>	<b>---</b>	<b>.50</b>
<b>B380.1</b>	A380	<b>7.5-9.5</b>	<b>1.0</b>	<b>3.0-4.0</b>	<b>.50</b>	<b>.10</b>	<b>---</b>	<b>.50</b>	<b>0.9</b>	<b>---</b>	<b>0.35</b>	<b>---</b>	<b>.50</b>
<b>383.1</b>	---	<b>9.5-11.5</b>	<b>1.0</b>	<b>2.0-3.0</b>	<b>.50</b>	<b>.10</b>	<b>---</b>	<b>.30</b>	<b>2.9</b>	<b>---</b>	<b>.15</b>	<b>---</b>	<b>.50</b>
<b>384.1</b>	384	<b>10.5-12.0</b>	<b>1.0</b>	<b>3.0-4.5</b>	<b>.50</b>	<b>.10</b>	<b>---</b>	<b>.50</b>	<b>2.9</b>	<b>---</b>	<b>.35</b>	<b>---</b>	<b>.50</b>
<b>A413.1</b>	A13	<b>11.0-13.0</b>	<b>1.0</b>	<b>1.0</b>	<b>.35</b>	<b>.10</b>	<b>---</b>	<b>.50</b>	<b>.40</b>	<b>---</b>	<b>.15</b>	<b>---</b>	<b>.25</b>
<b>A360.1</b>	A360	<b>9.0-10.0</b>	<b>1.0</b>	<b>.60</b>	<b>.35</b>	<b>.45-.60</b>	<b>---</b>	<b>.50</b>	<b>.40</b>	<b>---</b>	<b>.15</b>	<b>---</b>	<b>.25</b>
<b>B390.1</b>	---	<b>16.0-18.0</b>	<b>1.0</b>	<b>4.0-5.0</b>	<b>.50</b>	<b>.50-.65</b>	<b>---</b>	<b>.10</b>	<b>1.4</b>	<b>.20</b>	<b>---</b>	<b>.10</b>	<b>.20</b>
<b>319.1</b>	319 All Cast	<b>5.5-6.5</b>	<b>.80</b>	<b>3.0-4.0</b>	<b>.50</b>	<b>.10</b>	<b>---</b>	<b>.35</b>	<b>1.0</b>	<b>.25</b>	<b>---</b>	<b>---</b>	<b>.50</b>
<b>355.1</b>	355	<b>4.5-5.5</b>	<b>.50*</b>	<b>1.0-1.5</b>	<b>.50*</b>	<b>.45-.60</b>	<b>.25</b>	<b>---</b>	<b>.35</b>	<b>.25</b>	<b>---</b>	<b>.05</b>	<b>.15</b>
<b>356.1</b>	356	<b>6.5-7.5</b>	<b>.50*</b>	<b>.25</b>	<b>.35*</b>	<b>.25-.45</b>	<b>---</b>	<b>---</b>	<b>.35</b>	<b>.25</b>	<b>---</b>	<b>.05</b>	<b>.15</b>
<b>443.1</b>	43	<b>4.5-6.0</b>	<b>.60</b>	<b>0.60</b>	<b>.50</b>	<b>.05</b>	<b>.25</b>	<b>---</b>	<b>.50</b>	<b>.25</b>	<b>---</b>	<b>---</b>	<b>.35</b>
<b>535.2</b>	Almag 35	<b>.10</b>	<b>.10</b>	<b>.05</b>	<b>.10-.25</b>	<b>6.6-7.5</b>	<b>---</b>	<b>---</b>	<b>---</b>	<b>.10-.25</b>	<b>---</b>	<b>.05</b>	<b>.15</b>

**\* If Fe content exceeds 0.45%, MN content shall not be less than 1/2 of the Fe content; (Remainder - Aluminum)**

This standard is issued under the fixed designation B179; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last re-approval.

Chemical Elements not listing a "Range" (Minimum to Maximum) are registered only with a Maximum Limit.